

875—72.10(89A) General requirements.

72.10(1) The provisions contained in ASME A17.1, Part 8, are adopted by reference unless specifically excluded herein.

72.10(2) Except as noted in this rule, the American Society of Mechanical Engineers Safety Code for Existing Elevators and Escalators, A17.3 (2011), is adopted by reference with an enforcement date of May 1, 2021.

a. If a code provision that is more restrictive than A17.3 (2011) applied to a conveyance when the conveyance was installed, the more restrictive provision shall remain in effect.

b. A17.3 (2011) Part X applies to handicapped restricted use elevators without regard to the scope provisions set forth in A17.3 (2011) Part X.

c. Provisions of A17.3 (2011) that require installation of a new controller to implement Phase 1 and Phase 2 fire service or car top operation are not adopted by reference and shall not be enforced in Iowa.

d. A17.3 (2011), Rule 2.3.2, is intended to prevent the accumulation of sewer gas in an elevator pit and shall not be interpreted to require the addition of a drain pipe in an existing pit. An air gap in an existing drain pipe shall be considered adequate compliance.

e. An elevator that was legally installed with guide rails made of materials other than steel shall not be required to replace the guide rails due to the adoption of A17.3 (2011).

72.10(3) Permanent lighting shall be installed in the hoistway of an elevator contracted after March 1, 2019. Three-way switches to control the hoistway lighting shall be installed at the pit access door and the top landing access door. The lighting shall be sufficient to provide 10 foot-candles of light to the center of the elevator path measured when the car top lights are off. Engineering calculations that prove 10 foot-candles of light are provided to the center of the elevator path may be substituted for light meter measurements under circumstances such as a glass back car where use of a light meter is not practical.

72.10(4) For conveyances contracted after March 1, 2019, all electrical wiring in a machine room, control space, control room, machinery space, and hoistway shall comply with ANSI/NFPA 70 and shall be enclosed in metal conduit, flexible conduit, or metal raceways. However, this subrule shall not apply in applications such as traveling cables and car top work lights where movement is required for proper function, or to operating devices and control equipment where adjustment may be needed.

[ARC 1891C, IAB 3/4/15, effective 4/8/15; ARC 4212C, IAB 1/2/19, effective 3/1/19; ARC 5089C, IAB 7/15/20, effective 6/25/20]